

1. (Once Amended) An imaging arrangement adapted to receive two dimensional optical data represented by at least two beams of electromagnetic radiation, the arrangement comprising means for gating and converting the beams into image data, which means for gating and converting the beams into image data, includes a single electro-optic device comprising a photosensitive surface which surface is arranged to comprise a plurality of independently-gatable portions, wherein the independently gatable portions correspond to each of the at least two beams of electromagnetic radiation each portion being responsive to an image signal.

2. (Once Amended) An imaging arrangement [electro-optic device] as claimed in claim 1, wherein the device comprises an image intensifier.

3. (Once Amended) An imaging arrangement [electro-optic device] as claimed in claim 2, wherein the image intensifier comprises a segmented photocathode.

4. (Once Amended) An imaging arrangement as claimed in claim 3, wherein the segmented photocathode comprises a photocathode layer and a segmented conductive layer adjacent the photocathode layer.

5. (Once Amended) An imaging arrangement as claimed in claim 1, wherein the device comprises a solid-state imager.

6. (Once Amended) An imaging arrangement as claimed in claim 5, wherein the solid state imager comprises segmented imaging sections.

7. (Twice Amended) An imaging arrangement as claimed in claim 5, wherein the solid state imager further comprises erasing means for erasing an image corresponding to one of the at least two beams.

**62**  
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